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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/716,890	11/20/2000	David N. S. Hon	460-001 Cont.IV	5003
22465 73	590 07/13/2004		EXAM	INER
PITTS AND BRITTIAN P C P O BOX 51295			LEITH, PATRICIA A	
KNOXVILLE,	TN 37950-1295		ART UNIT	PAPER NUMBER
			1654	
			DATE MAILED: 07/13/2004	ļ

Please find below and/or attached an Office communication concerning this application or proceeding.

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•		Application No.	Applicant(s)			
•	Office Action Commence	09/716,890	HON ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Patricia Leith	1654			
Period f	The MAILING DATE of this communication app or Reply	ears on the cover sheet	with the correspondence address			
THE - Extended - If th - If No - Failt Any	MORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.13 or SIX (6) MONTHS from the mailing date of this communication. e period for reply specified above is less than thirty (30) days, a reply D period for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing led patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may within the statutory minimum of t will apply and will expire SIX (6) M cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. & 133)			
Status						
1)🛛	Responsive to communication(s) filed on 16 Ag	oril 2004.				
2a)⊠)⊠ This action is FINAL . 2b)□ This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
5)□ 6)⊠ 7)□	Claim(s) 28,30 and 31 is/are pending in the appear 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 28, 30 and 31 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicat	ion Papers					
9)[The specification is objected to by the Examiner	r.				
10)[The drawing(s) filed on is/are: a) acce	•	•			
	Applicant may not request that any objection to the o		` '			
11)	Replacement drawing sheet(s) including the correction. The oath or declaration is objected to by the Example 1.					
Priority (under 35 U.S.C. § 119					
a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priori application from the International Bureau See the attached detailed Office action for a list of	have been received. have been received in ity documents have bee (PCT Rule 17.2(a)).	Application No n received in this National Stage			
Attachmen	t(s)					
1) 🔲 Notic	e of References Cited (PTO-892)		Summary (PTO-413)			
3) 🔲 Infori	te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date	Paper No	o(s)/Mail Date Informal Patent Application (PTO-152)			

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Claims 28 and 30-31 are pending in the application and were examined on the

merits.

The text of those sections of Title 35, U.S. Code not included in this action can

be found in a previous Office Action.

Claim Rejections - 35 USC § 112

Claims 28 and 30-31 remain rejected under 35 U.S.C. 112, first paragraph,

because the specification, while being enabling for compositions as described in the

Instant specification, i.e., Example 1, does not reasonably provide enablement for a

composition comprising an active ingredient comprising the particular parts of ions as

Instantly claimed. The specification does not enable any person skilled in the art to

which it pertains, or with which it is most nearly connected, to make or use the invention

commensurate in scope with these claims.

Applicant's arguments were fully considered, but not found persuasive.

Applicant argues that "the differences in the Examiner's characterization of the

language of Claim 1 and the actual language of Claim 1 is of critical importance.

Specifically, Claim 1 calls for"inorganic solids". Note is to be taken of the plural word "solids" (p.4, Arguments). Applicant contends that "The claimed composition is made up of a plurality of inorganic solids, i.e., potassium ions,rubidium ions. Each of these ingredients is a cation and its contribution to the composition is determined on this basis not on the basis of the weight of any counterions which may be in the composition".

However, the Examiner respectfully disagrees. A plurality of solids, say 100, would still require that the ions be present in a particular ratio simply due to the chemical nature of the ions listed in the claims. The contention that 'Each of....is determined on this basis not on the basis of the weight...' is inconclusive and not supported by the Instant specification or what is known in the art with regard to basic chemistry. There is nowhere in the Instant specification that teaches that the amounts of each constituent are based upon the cations. This is not understood because, as stated in the previous Office Action, a solid will contain the compounds formed of ionic material, but not the elements in their ionic form. The ionic form of the elements will only be found when the solids become ionized via crushing and adding to water or vaporization for examples.

Applicant further points out pages 3-4 of the Specification which reads "Thus, synthetic......The solution may also contain OTHER INORGANIC CATIONS". (pp. 4-5, Arguments) However, Applicant is referring to an embodiment in the specification which

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is directed toward a *solution and not a solid* and therefore this argument is without merit. Even if these ions were in solution, it has not been taught how one would add 80 parts of potassium by weight of the ions into a solution. The potassium will be added as potassium complexed by another ion; i.e., potassium carbonate is used in the Instant specification. Therefore, in order to achieve 80 parts of potassium by weight of *only the ions present in solution*, a considerable amount of carbonate ions would need to be removed from the solution to achieve this upper limit of potassium ions. Applicant has not demonstrated such a method in the Instant specification and therefore the skilled artisan *would not be able to make the Instantly claimed compositions*.

No Claims are allowed.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Leith whose telephone number is (571) 272-0968. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brenda Brumback can be reached on (571) 272-0961. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Patricia Leith Primary Examiner Art Unit 1654

Letura Toeth

07/01/04